

Author index to volume 156

- Akimenko, N., V. Kleinwächter and Yu. Yevdokimov, Liquid crystalline microphases of DNA molecules complexed with compounds of platinum (II) 156 (1983) 58
- Aktories, K., G. Schultz and K.H. Jakobs, Islet-activating protein prevents nicotinic acid-induced GTPase stimulation and GTP but not GTP γ S-induced adenylate cyclase inhibition in rat adipocytes 156 (1983) 88
- Albini, A., H. Richter and B.F. Pontz, Localization of the chemotactic domain in fibronectin 156 (1983) 222
- Almary, T., see G.D. Eytan 156 (1983) 29
- Andersson, B., see K. Gounaris 156 (1983) 170
- Argos, P., see J.K.M. Rao 156 (1983) 165
- Arimasa, N., see T. Harano 156 (1983) 20
- Armitage, J.P. and M.C.W. Evans, The motile and tactic behaviour of *Pseudomonas aeruginosa* in anaerobic environments 156 (1983) 113
- Atkinson, E.M., see R.S. Daniels 156 (1983) 145
- Augustyniak, J., see A. Goździcka-Józefiak 156 (1983) 51
- Barber, J., see K. Gounaris 156 (1983) 170
- Beach, R.L., H. Popiela and B.W. Festoff, The identification of neurotrophic factor as a transferrin 156 (1983) 151
- Bennoun, P., Effects of mutations and of ionophore on chlororespiration in *Chlamydomonas reinhardtii* 156 (1983) 363
- Bergsdorf, N., see H. Jörnvall 156 (1983) 47
- Boissel, J.-P., see J.E. Loeb 156 (1983) 316
- Bondjers, G., see S.-O. Olofsson 156 (1983) 63
- Boström, K., see S.-O. Olofsson 156 (1983) 63
- Boudet, A.M., see A. Graziana 156 (1983) 325
- Cabo, J., see M. Gomez 156 (1983) 119
- Canut, H., see J. Schwencke 156 (1983) 274
- Chambon, P., see H. Gronemeyer 156 (1983) 287
- Cho, B.-H., see E. Komor 156 (1983) 6
- Claret, M., see M.A. Wallace 156 (1983) 239
- Clement-Metral, J.D. and E. Gantt, Isolation of oxygen evolving phycobilisome-photo-system II particles from *Porphyridium cruentum* 156 (1983) 185
- Copeland, T.D., M.A. Morgan and S. Oroszlan, Complete amino acid sequence of the nucleic acid-binding protein of bovine leukemia virus 156 (1983) 37
- Cote, G.P., see W.G. Lewis 156 (1983) 269
- Crawford, N. and D.I.H. Stewart, Redistribution of membrane 5'-nucleotidase in rabbit peritoneal polymorphonuclear leucocytes during phagocytosis 156 (1983) 329
- Creuzet, C., see J.E. Loeb 156 (1983) 316
- Daniels, R.S., M.J. McKay, E.M. Atkinson and A.R. Hipkiss, Subcellular distribution of abnormal proteins in rabbit reticulocytes: Effects of cellular maturation, phenylhydrazine and inhibitors of ATP synthesis 156 (1983) 145
- Degli Esposti, M., M. Rugolo and G. Lenaz, Inhibition of the mitochondrial *bc*₁ complex by dibromothymoquinone 156 (1983) 15
- Deuel, T.F., see J. Nishimura 156 (1983) 130
- Dunford, H.B., see G.C. Wagner 156 (1983) 244
- Dupont, Y. and R. Pougeois, Evaluation of H₂O activity in the free or phosphorylated catalytic site of Ca²⁺-ATPase 156 (1983) 93
- Dupuis, A., M. Satre and P.V. Vignais, Titration of the binding sites for the oligomycin-sensitivity conferring protein in beef heart submitochondrial particles 156 (1983) 99
- Egge, H., J. Peter-Katalinić, J. Paz-Parente, G. Strecker, J. Montreuil and B. Fournet, Carbohydrate structures of hen ovomucoid: A mass spectrometric analysis 156 (1983) 357
- Eid, P. and K.E. Mogensen, Isolated interferon α -receptor complexes stabilized in vitro 156 (1983) 157
- Elias, P., see S.-O. Olofsson 156 (1983) 63
- Evans, M.C.W., see J.P. Armitage 156 (1983) 113
- Eytan, G.D. and T. Almary, Melittin-induced fusion of acidic liposomes 156 (1983) 29
- Fager, G., see S.-O. Olofsson 156 (1983) 63
- Festoff, B.W., see R.L. Beach 156 (1983) 151
- Flores, A., see J. Schwencke 156 (1983) 274
- Follmann, H., see M. Löffler 156 (1983) 72
- Fournet, B., see H. Egge 156 (1983) 357
- Fritsch, C., see C. Putz 156 (1983) 41
- Fuchs, G. and E. Stupperich, Autotrophic acetyl coenzyme A synthesis in vitro from two CO₂ in *Methanobacterium* 156 (1983) 345

- Gambke, B., G.E. Lyons, J. Haselgrove, A.M. Kelly and N.A. Rubinstein, Thyroidal and neural control of myosin transitions during development of rat fast and slow muscles 156 (1983) 335
- Gantt, E., see J.D. Clement-Metral 156 (1983) 185
- Giégé, R., see G. Lorber 156 (1983) 209
- Gilat, T., see G.J. Somjen 156 (1983) 265
- Giraud, F., see M.A. Wallace 156 (1983) 239
- Gomez, M., A. Jordá, J. Cabo and S. Grisolia, Effect of starvation on the *N*-acetylglutamate system of rat liver 156 (1983) 119
- Gossuin, A., see J.-M. Maloteaux 156 (1983) 103
- Gounaris, K., C. Sundby, B. Andersson and J. Barber, Lateral heterogeneity of polar lipids in the thylakoid membranes of spinach chloroplasts 156 (1983) 170
- Goździcka-Józefiak, A. and J. Augustyniak, Number of tRNA genes in wheat chloroplast DNA: Two different genes for valine tRNAs 156 (1983) 51
- Graziana, A., R. Ranjeva and A.M. Boudet, Provoked changes in cellular calcium controlled protein phosphorylation and activity of quinate:NAD⁺ oxidoreductase in carrot cells 156 (1983) 325
- Grisolia, S., see M. Gomez 156 (1983) 119
- Gronemeyer, H., P. Harry and P. Chambon, Evidence for two structurally related progesterone receptors in chick oviduct cytosol 156 (1983) 287
- Guest, J.R., see E.P. Hull 156 (1983) 366
- Hackett, J., R. Misra and P. Reeves, The TolC protein of *Escherichia coli* K12 is synthesised in a precursor form 156 (1983) 307
- Harano, K., see T. Harano 156 (1983) 20
- Harano, T., K. Harano, S. Shibata, S. Ueda, H. Mori and N. Arimasa, Hemoglobin Okayama (β 2 (NA 2) His \rightarrow Gln): A new 'silent' hemoglobin variant with substituted amino acid residue at the 2,3-diphosphoglycerate binding site 156 (1983) 20
- Hargrave, P.A., see J.K.M. Rao 156 (1983) 165
- Harry, P., see H. Gronemeyer 156 (1983) 287
- Haselgrove, J., see B. Gambke 156 (1983) 335
- Herscovics, A., C.D. Warren and R.W. Jeanloz, Solubilization of an α -(1 \rightarrow 3)-D-mannosyltransferase from pancreas which utilizes synthetic dolichyl pyrophosphate trisaccharide β -Man (1 \rightarrow 4) β -GlcNAc (1 \rightarrow 4) GlcNAc as substrate 156 (1983) 298
- Hiller, R.G., A. Post and A.C. Stewart, Isolation of intact detergent-free phycobilisomes by trypsin 156 (1983) 180
- Hipkiss, A.R., see R.S. Daniels 156 (1983) 145
- Holwerda, R.A., see R.M. Wynn 156 (1983) 23
- Hornig, H., P. Woolley and R. Lührmann, Decoding at the ribosomal A site: effect of codon shortening and the antibiotics viomycin and sparsomycin upon the behaviour of bound aminoacyl-tRNA 156 (1983) 311
- Hull, E.P., M.E. Spencer, D. Wood and J.R. Guest, Nucleotide sequence of the promoter region of the citrate synthase gene (*gltA*) of *Escherichia coli* 156 (1983) 366
- Imada, T., see H. Shimada 156 (1983) 123
- Imanaga, Y., see R. Iwamoto 156 (1983) 33
- Inada, Y., see H. Shimada 156 (1983) 123
- Ishizuka, S. and A.W. Norman, The stereochemical configuration of the natural 23,25,26-trihydroxyvitamin D₃ 156 (1983) 321
- Islam Khan, M., see D.M. Salunke 156 (1983) 127
- Iwamoto, R., Y. Imanaga, S. Sawada and K. Soda, Stereochemistry of an α,β -elimination reaction by D-glucosaminase dehydratase 156 (1983) 33
- Jakobs, K.H., see K. Aktories 156 (1983) 88
- Jeanloz, R.W., see A. Herscovics 156 (1983) 298
- Jergil, B., see M. Sommarin 156 (1983) 231
- Jordá, A., see M. Gomez 156 (1983) 119
- Jörnvall, H., G. Pohl, N. Bergsdorf and P. Wallén, Differential proteolysis and evidence for a residue exchange in tissue plasminogen activator suggest possible association between two types of protein microheterogeneity 156 (1983) 47
- Jörnvall, H., see T.J. McDonald 156 (1983) 349
- Kaplan, J.H., M. Pring and H. Passow, Band-3 protein-mediated anion conductance of the red cell membrane: Slippage vs ionic diffusion 156 (1983) 175
- Kelly, A.M., see B. Gambke 156 (1983) 335
- Kleinwächter, V., see N. Akimenko 156 (1983) 58
- Knaff, D.B., see R.M. Wynn 156 (1983) 23
- Knippers, R., see E.J. Schlaeger 156 (1983) 281
- Kolberg, J., see K. Sletten 156 (1983) 253
- Komano, O., see J.E. Loeb 156 (1983) 316
- Komor, E., C. Schobert and B.-H. Cho, The hexose uptake system of *Chlorella*: Is it a proton symport or a hydroxyl ion antiport system? 156 (1983) 6
- Laduron, P.M., see J.-M. Maloteaux 156 (1983) 103
- Lejeune, P.-J., C. Marriq, M. Rolland and S. Lissitzky, In vitro and in vivo iodination of human thyroglobulin in relation to hormone release 156 (1983) 77

- Lenaz, G., see M. Degli Esposti 156 (1983) 15
- Lewis, W.G., G.P. Cote, A.S. Mak and L.B. Smillie, Amino acid sequence of equine platelet tropomyosin: correlation with interaction properties 156 (1983) 269
- Lissitzky, S., see P.-J. Lejeune 156 (1983) 77
- Loeb, J.E., C. Creuzet, O. Komano and J.-P. Boissel A membrane-bound protein kinase from mouse liver stimulated by iron 156 (1983) 316
- Löffler, M., G. Schimpff-Weiland and H. Follmann, Deoxycytidylate shortage is a cause of G1 arrest of ascites tumor cells under oxygen deficiency 156 (1983) 72
- Lorber, G. and R. Giégé, Isoelectric focusing and isoelectric points of aminoacyl-tRNA synthetases 156 (1983) 209
- Lührmann, R., see H. Hornig 156 (1983) 311
- Lundholm, K., see S.-O. Olofsson 156 (1983) 63
- Lyons, G.E., see B. Gambke 156 (1983) 335
- Mackey, E.J. and G.D. Smith, Adaptation of the cyanobacterium *Anabaena cylindrica* to high oxygen tensions 156 (1983) 108
- Macnicol, P.K., Differential effect of sulphur deficiency on the composition of the aminoacyl-tRNA and free amino acid pools of the developing pea seed 156 (1983) 55
- Mak, A.S., see W.G. Lewis 156 (1983) 269
- Malhotra, S.K., see S.W. Pimplikar 156 (1983) 141
- Maloteaux, J.-M., A. Gossuin, P.J. Pauwels and P.M. Laduron, Short-term disappearance of muscarinic cell surface receptors in carbachol-induced desensitization 156 (1983) 103
- Mansson, J.-E. and S. Olofsson, Binding specificities of the lectin from *Helix pomatia*, soybean and peanut against different glycosphingolipids in liposome membranes 156 (1983) 249
- Margossian, S.S., see J.A. Trotter 156 (1983) 135
- Markossian, K.A., N.A. Paitian and R.M. Nalbandyan, Changes induced by hydrazine in optical spectra of cytochrome oxidase 156 (1983) 235
- Marriq, C., see P.-J. Lejeune 156 (1983) 77
- Marvin, D.A., Proton currents and protein motion in membranes 156 (1983) 1
- McDonald, T.J., H. Jörnvall, K. Tatemoto and V. Mutt, Identification and characterization of variant forms of the gastrin-releasing peptide (GRP) 156 (1983) 349
- McKay, M.J., see R.S. Daniels 156 (1983) 145
- Michaelsen, T.E., see K. Sletten 156 (1983) 253
- Mishina, M., see M. Notake 156 (1983) 67
- Misra, R., see J. Hackett 156 (1983) 307
- Mogensen, K.E., see P. Eid 156 (1983) 157
- Montreuil, J., see H. Egge 156 (1983) 357
- Morgan, M.A., see T.D. Copeland 156 (1983) 37
- Mori, H., see T. Harano 156 (1983) 20
- Mutt, V., see T.J. McDonald 156 (1983) 349
- Nalbandyan, R.M., see K.A. Markossian 156 (1983) 235
- Nicolay, K., see N.A. Vermuë 156 (1983) 293
- Nishimura, J. and T.F. Deuel, Platelet-derived growth factor stimulates the phosphorylation of ribosomal protein S6 156 (1983) 130
- Norfeldt, P.-I., see S.-O. Olofsson 156 (1983) 63
- Norman, A.W., see S. Ishizuka 156 (1983) 321
- Notake, M., T. Tobimatsu, Y. Watanabe, H. Takahashi, M. Mishina and S. Numa, Isolation and characterization of the mouse corticotropin- β -lipotropin precursor gene and a related pseudogene 156 (1983) 67
- Numa, S., see M. Notake 156 (1983) 67
- Olofsson, S., see J.-E. Mansson 156 (1983) 249
- Olofsson, S.-O., P. Elias, K. Boström, K. Lundholm, P.-I. Norfeldt, O. Wiklund, G. Fager and G. Bondjers, Human liver RNA-programmed in vitro synthesis of a polypeptide related to human apolipoprotein B 156 (1983) 63
- Oroszlan, S., see T.D. Copelan 156 (1983) 37
- Paitian, N.A., see K.A. Markossian 156 (1983) 235
- Palcic, M.M., see G.C. Wagner 156 (1983) 244
- Passow, H., see J.H. Kaplan 156 (1983) 175
- Pauwels, P.J., see J.-M. Maloteaux 156 (1983) 103
- Paz-Parente, J., see H. Egge 156 (1983) 357
- Peter-Katalinić, J., see H. Egge 156 (1983) 357
- Pimplikar, S.W. and S.K. Malhotra, Analysis of erythrocyte membrane proteins from dystrophic hamsters 156 (1983) 141
- Pinck, L., see C. Putz 156 (1983) 41
- Pinck, M., see C. Putz 156 (1983) 41
- Poggioli, J., see M.A. Wallace 156 (1983) 239
- Pohl, G., see H. Jörnvall 156 (1983) 47
- Pontz, B.F., see A. Albini 156 (1983) 222
- Popiela, H., see R.L. Beach 156 (1983) 151
- Post, A., see R.G. Hiller 156 (1983) 180
- Pougeois, R., see Y. Dupont 156 (1983) 93
- Pring, M., see J.H. Kaplan 156 (1983) 175
- Pülm, W., see E.J. Schlaeger 156 (1983) 281
- Putz, C., M. Pinck, C. Fritsch and L. Pinck, Identification of the 3'- and 5'-ends of beet necrotic yellow vein virus RNAs 156 (1983) 41
- Ranjeva, R., see A. Graziana 156 (1983) 325
- Rao, J.K.M., P.A. Hargrave and P. Argos, Will the seven-helix bundle be a common structure for integral membrane proteins? 156 (1983) 165
- Reeves, P., see J. Hackett 156 (1983) 307
- Richter, H., see A. Albini 156 (1983) 222

- Rolland, M., see P.-J. Lejeune 156 (1983) 77
- Rubinstein, N.A., see B. Gambke 156 (1983) 335
- Rugolo, M., see M. Depli Esposti 156 (1983) 15
- Saito, Y., see H. Shimada 156 (1983) 123
- Salunke, D.M., M. Islam Khan, A. Surolia and M. Vijayan, Preparation and preliminary X-ray studies of three acidic pH crystal forms of the anti-T lectin from peanut (*Arachis hypogaea*) 156 (1983) 127
- Sarkar, H.K., see R.M. Wynn 156 (1983) 23
- Satre, M., see A. Dupuis 156 (1983) 99
- Sawada, S., see R. Iwamoto 156 (1983) 33
- Schimpff-Weiland, G., see M. Löffler 156 (1983) 72
- Schlaeger, E.J., W. Pülm and R. Knippers, Chromatin maturation depends on continued DNA-replication 156 (1983) 281
- Schobert, C., see E. Komor 156 (1983) 6
- Schultz, G., see K. Aktories 156 (1983) 88
- Schwencke, J., H. Canut and A. Flores, Simultaneous isolation of the yeast cytosol and well-preserved mitochondria with negligible contamination by vacuolar proteinases 156 (1983) 274
- Scopes, R.K., An iron-activated alcohol dehydrogenase 156 (1983) 303
- Scordilis, S.P., see J.A. Trotter 156 (1983) 135
- Serrano, R., In vivo glucose activation of the yeast plasma membrane ATPase 156 (1983) 11
- Shibata, S., see T. Harano 156 (1983) 20
- Shimada, H., Y. Saito, T. Imada and Y. Inada, Specific binding of bovine immunoglobulins to Sepharose and Sephadex 156 (1983) 123
- Simons, E.R., see A.I. Tauber 156 (1983) 161
- Slavík, J., Intracellular pH topography: determination by a fluorescent probe 156 (1983) 227
- Sletten, K., J. Kolberg and T.E. Michaelsen, The amino acid sequence of the α -subunit of a mitogenic lectin from seeds of *Lathyrus odoratus* 156 (1983) 253
- Smillie, L.B., see W.G. Lewis 156 (1983) 269
- Smith, G.D., see E.J. Mackey 156 (1983) 108
- Soda, K., see R. Iwamoto 156 (1983) 33
- Somjen, G.J. and T. Gilat, A non-micellar mode of cholesterol transport in human bile 156 (1983) 265
- Sommarin, M. and B. Jergil, Microsomal Ca^{2+} - and phospholipid-dependent protein kinase: Identification and in vitro binding studies 156 (1983) 231
- Spencer, M.E., see E.P. Hull 156 (1983) 366
- Spirin, A.S., Location of tRNA on the ribosome 156 (1983) 217
- Stewart, A.C., see R.G. Hiller 156 (1983) 180
- Stewart, D.I.H., see N. Crawford 156 (1983) 329
- Strecker, G., see H. Egge 156 (1983) 357
- Stupperich, E., see G. Fuchs 156 (1983) 345
- Sundby, C., see K. Gounaris 156 (1983) 170
- Surolia, A., see D.M. Salunke 156 (1983) 127
- Takahashi, H., see M. Notake 156 (1983) 67
- Tatemoto, K., see T.J. McDonald 156 (1983) 349
- Tauber, A.I. and E.R. Simons, Dissociation of human neutrophil membrane depolarization, respiratory burst stimulation and phospholipid metabolism by quinacrine 156 (1983) 161
- Tobimatsu, T., see M. Notake 156 (1983) 67
- Trotter, J.A., S.P. Scordilis and S.S. Margossian, Macrophages contain at least two myosins 156 (1983) 135
- Ueda, S., see T. Harano 156 (1983) 20
- Van Berkel-Arts, A., see C. van Dijk 156 (1983) 340
- Van Dijk, C.A., A. van Berkel-Arts and C. Veeger, The effect of re-oxidation on the reduced hydrogenase of *Desulfovibrio vulgaris* strain Hildenborough and its oxygen stability 156 (1983) 340
- Van Leeuwen, J.W., An estimate of the dipole moment of superoxide dismutase 156 (1983) 262
- Veeger, C., see C. van Dijk 156 (1983) 340
- Vermuë, N.A. and K. Nicolay, Energetics of smooth muscle taenia caecum of guineapig: a ^{31}P -NMR study 156 (1983) 293
- Vignais, P.V., see A. Dupuis 156 (1983) 99
- Vijayan, M., see D.M. Salunke 156 (1983) 127
- Wagner, G.C., M.M. Palcic and H.B. Dunford, Absorption spectra of cytochrome P450_{CAM} in the relation with peroxy acids 156 (1983) 244
- Wallace, M.A., J. Poggiali, F. Geraud and M. Claret, Norepinephrine-induced loss of phosphatidylinositol from isolated rat liver plasma membrane: Effects of divalent cations 156 (1983) 239
- Wallén, P., see H. Jörnvall 156 (1983) 47
- Warren, C.D., see A. Herscovics 156 (1983) 298
- Watanabe, Y., see M. Notake 156 (1983) 67
- Wiklund, O., see S.-O. Olofsson 156 (1983) 63
- Wood, D., see E.P. Hull 156 (1983) 366
- Woolley, P., see H. Hornig 156 (1983) 311
- Wynn, R.M., H.K. Sarkar, R.A. Holwerda and D.B. Knaff, Fluorescence associated with the type 3 copper center of laccase 156 (1983) 23
- Yevdokimov, Yu., see N. Akimenko 156 (1983) 58
- Yu, F.-L., Actinomycin D binding in vivo: active chromatin preferred 156 (1983) 83
- Zisapel, N., see N. Zurgil 156 (1983) 257
- Zurgil, N. and N. Zisapel, Calcium-dependent protein phosphorylation and dephosphorylation in intact brain neurons in culture 156 (1983) 257